

500 FS #7



PCT09

## RAW SEQUENCE LISTING

DATE: 05/15/2003

PATENT APPLICATION: US/09/787,677A

TIME: 10:25:09

Input Set : N:\AMC\pf0590usn\_subseqlist.txt

Output Set: N:\CRF4\05152003\I787677A.raw

1 <110> APPLICANT: INCYTE GENOMICS, INC.; YUE, Henry  
 2 LAL, Preeti G.; CORLEY, Neil C.  
 3 GUEGLER, Karl J.; BAUGHN, Mariah R.  
 4 LU, Dyung Aina M.; TANG, Y. Tom  
 6 <120> TITLE OF INVENTION: MEMBRANE-ASSOCIATED ORGANIZATIONAL PROTEINS  
 8 <130> FILE REFERENCE: PF-0590 USN  
 10 <140> CURRENT APPLICATION NUMBER: 09/787,677A  
 C--> 11 <141> CURRENT FILING DATE: 2002-08-26  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US99/22082  
 14 <151> PRIOR FILING DATE: 1999-09-23  
 16 <150> PRIOR APPLICATION NUMBER: US 60/172,228  
 17 <151> PRIOR FILING DATE: 1999-05-04  
 19 <150> PRIOR APPLICATION NUMBER: US 60/155,251  
 20 <151> PRIOR FILING DATE: 1998-10-13  
 22 <150> PRIOR APPLICATION NUMBER: US 60/155,215  
 23 <151> PRIOR FILING DATE: 1998-09-25  
 25 <160> NUMBER OF SEQ ID NOS: 12  
 27 <170> SOFTWARE: PERL Program  
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 30 <211> LENGTH: 361  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Homo sapiens  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: misc\_feature  
 36 <223> OTHER INFORMATION: Incyte ID No: 2687924CD1  
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 43 Gly Lys His Ala Leu Thr Val Ser Tyr Phe Tyr Asp Ala Thr Arg  
 44 35 40 45  
 45 Asn Val Tyr Arg Ile Ile Ser Ile Gly Gly Ala Lys Ala Ile Ile  
 46 50 55 60  
 47 Asn Ser Thr Val Thr Pro Asn Met Thr Phe Thr Lys Thr Ser Gln  
 48 65 70 75  
 49 Lys Phe Gly Gln Trp Ala Asp Ser Arg Ala Asn Thr Val Tyr Gly  
 50 80 85 90  
 51 Leu Gly Phe Ala Ser Glu Gln His Leu Thr Gln Phe Ala Glu Lys  
 52 95 100 105  
 53 Phe Gln Glu Val Lys Glu Ala Ala Arg Leu Ala Arg Glu Lys Ser  
 54 110 115 120  
 55 Gln Asp Gly Gly Glu Leu Thr Ser Pro Ala Leu Gly Leu Ala Ser

ENTERED

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57 His Gln Val Pro Pro Ser Pro Leu Val Ser Ala Asn Gly Pro Gly
58          140          145          150
59 Glu Glu Lys Leu Phe Arg Ser Gln Ser Ala Asp Ala Pro Gly Pro
60          155          160          165
61 Thr Glu Arg Glu Arg Leu Lys Lys Met Leu Ser Glu Gly Ser Val
62          170          175          180
63 Gly Glu Val Gln Trp Glu Ala Glu Phe Phe Ala Leu Gln Asp Ser
64          185          190          195
65 Asn Asn Lys Leu Ala Gly Ala Leu Arg Glu Ala Asn Ala Ala Ala
66          200          205          210
67 Ala Gln Trp Arg Gln Gln Leu Glu Ala Gln Arg Ala Glu Ala Glu
68          215          220          225
69 Arg Leu Arg Gln Arg Val Ala Glu Leu Glu Ala Gln Ala Ala Ser
70          230          235          240
71 Glu Val Thr Pro Thr Gly Glu Lys Glu Gly Leu Gly Gln Gly Gln
72          245          250          255
73 Ser Leu Glu Gln Leu Glu Ala Leu Val Gln Thr Lys Asp Gln Glu
74          260          265          270
75 Ile Gln Thr Leu Lys Ser Gln Thr Gly Gly Pro Arg Glu Ala Leu
76          275          280          285
77 Glu Ala Ala Glu Arg Glu Glu Thr Gln Gln Lys Val Gln Asp Leu
78          290          295          300
79 Glu Thr Arg Asn Ala Glu Leu Glu His Gln Leu Arg Ala Met Glu
80          305          310          315
81 Arg Ser Leu Glu Glu Ala Arg Ala Glu Arg Glu Arg Ala Arg Ala
82          320          325          330
83 Glu Val Gly Arg Ala Ala Gln Leu Leu Asp Val Arg Leu Phe Glu
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97 <223> OTHER INFORMATION: Incyte ID No: 1320134CD1
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103 20 25 30
104 Asp Ser Cys Arg Glu Val Thr Val Thr Pro Asn Ala Ala Trp Gly
105 35 40 45
106 Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr Leu His
107 50 55 60
108 Arg Ile Pro Thr Gln Pro Pro Ser Tyr His Lys Lys Pro Pro Gly

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110 Thr Pro Pro Pro Ser Ala Leu Pro Leu Gly Ala Pro Pro Pro Asp
111          80          85          90
112 Ala Leu Pro Pro Gly Pro Thr Pro Glu Asp Ser Pro Ser Leu Glu
113          95         100         105
114 Thr Gly Ser Arg Gln Ser Asp Tyr Met Glu Ala Leu Leu Gln Ala
115         110         115         120
116 Pro Gly Ser Ser Met Glu Asp Pro Leu Pro Gly Pro Gly Ser Pro
117        125        130        135
118 Ser His Ser Ala Pro Asp Pro Asp Gly Leu Pro His Phe Met Glu
119        140        145        150
120 Thr Pro Leu Gln Pro Pro Pro Pro Val Gln Arg Val Met Asp Pro
121        155        160        165
122 Gly Phe Leu Asp Val Ser Gly Ile Ser Leu Leu Asp Asn Ser Asn
123        170        175        180
124 Ala Ser Val Trp Pro Ser Leu Pro Ser Ser Thr Glu Leu Thr Thr
125        185        190        195
126 Thr Ala Val Ser Thr Ser Gly Pro Glu Asp Ile Cys Ser Ser Ser
127        200        205        210
128 Ser Ser His Glu Arg Gly Gly Glu Ala Thr Trp Ser Gly Ser Glu
129        215        220        225
130 Phe Glu Val Ser Phe Leu Asp Ser Pro Gly Ala Gln Ala Gln Ala
131        230        235        240
132 Asp His Leu Pro Gln Leu Thr Leu Pro Asp Ser Leu Thr Ser Ala
133        245        250        255
134 Ala Ser Pro Glu Asp Gly Leu Ser Ala Glu Leu Leu Glu Ala Gln
135        260        265        270
136 Ala Glu Glu Glu Pro Ala Ser Thr Glu Gly Leu Asp Thr Gly Thr
137        275        280        285
138 Glu Ala Glu Gly Leu Asp Ser Gln Ala Gln Ile Ser Thr Thr Glu
139        290        295        300
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143 <211> LENGTH: 230
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147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <223> OTHER INFORMATION: Incyte ID No: 2594049CD1
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155          20          25          30
156 Lys Thr Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly
157          35          40          45
158 Phe Ser Lys Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly
159          50          55          60
160 Ile Thr Gln Cys Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala
161          65          70          75

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162 Asp Ile Gln Ala Ala Gln Ala Met Met Val Thr Ser Ser Ala Ile
163           80           85           90
164 Ser Ser Leu Ala Cys Ile Ile Ser Val Val Gly Met Arg Cys Thr
165           95          100          105
166 Val Phe Cys Gln Glu Ser Arg Ala Lys Asp Arg Val Ala Val Ala
167          110          115          120
168 Gly Gly Val Phe Phe Ile Leu Gly Gly Leu Leu Gly Phe Ile Pro
169          125          130          135
170 Val Ala Trp Asn Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro
171          140          145          150
172 Leu Val Pro Asp Ser Met Lys Phe Glu Ile Gly Glu Ala Leu Tyr
173          155          160          165
174 Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile Ala Gly Ile Ile
175          170          175          180
176 Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser Asn Tyr Tyr
177          185          190          195
178 Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser Pro Arg
179          200          205          210
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199           20           25           30
200 Pro Val Gln Ala Thr Ala Ile Ser Pro Pro Pro Val Leu Tyr Pro
201           35           40           45
202 Asn Leu Ala Glu Leu Glu Asn Tyr Met Gly Leu Ser Leu Ser Ser
203           50           55           60
204 Gln Glu Val Gln Glu Ser Leu Leu Gln Ile Pro Glu Gly Asp Ser
205           65           70           75
206 Thr Ala Val Ser Gly Pro Gly Pro Gly Gln Met Val Ala Pro Val
207           80           85           90
208 Thr Gly Tyr Ser Leu Gly Val Arg Arg Ala Glu Ile Lys Pro Gly
209           95          100          105
210 Val Arg Glu Ile His Leu Cys Lys Asp Glu Arg Gly Lys Thr Gly
211          110          115          120
212 Leu Arg Leu Arg Lys Val Asp Gln Gly Leu Phe Val Gln Leu Val
213          125          130          135
214 Gln Ala Asn Thr Pro Ala Ser Leu Val Gly Leu Arg Phe Gly Asp

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215	140	145	150
216	Gln Leu Leu Gln Ile Asp Gly Arg Asp Cys Ala Gly Trp Ser Ser		
217	155	160	165
218	His Lys Ala His Gln Val Val Lys Lys Ala Ser Gly Asp Lys Ile		
219	170	175	180
220	Val Met Val Val Arg Asp Arg Pro Phe Gln Arg Thr Val Thr Met		
221	185	190	195
222	His Lys Asp Ser Met Gly His Val Gly Phe Val Ile Lys Lys Gly		
223	200	205	210
224	Lys Ile Val Ser Leu Val Lys Gly Ser Ser Ala Ala Cys Asn Gly		
225	215	220	225
226	Leu Leu Thr Asn His Tyr Val Cys Glu Val Asp Gly Gln Asn Val		
227	230	235	240
228	Ile Gly Leu Lys Asp Lys Lys Ile Met Glu Ile Leu Ala Thr Ala		
229	245	250	255
230	Gly Asn Val Val Thr Leu Thr Ile Ile Pro Ser Val Ile Tyr Glu		
231	260	265	270
232	His Met Val Lys Lys Leu Pro Pro Val Leu Leu His His Thr Met		
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250	aaaccagtgc tcctgccacc tctctggctg cccctagag cctgcccatc ccagcctgac	180	
251	caatgtccac agccaggag cagccaatct tcagcacacg ggcgcacgtg ttccaaattg	240	
252	accagccac caagcgaac tggatcccag cgggcaagca cgcaactact gtctcctatt	300	
253	tctacgatgc caccgcaat gtgtaccgca tcatcagcat cggaggcgcc aaggccatca	360	
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263	cagaggtgac cccaccggg gagaaaggag ggctgggcca gggccagtcg ctggaacagc	960	
264	tggaagctct ggtgcaaacc aaggaccagg agattcagac cctgaagagt cagactgggg	1020	
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**VERIFICATION SUMMARY**

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Output Set: N:\CRF4\05152003\I787677A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date